

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number: 13-411

**PROJECT INFORMATION**

**Project Title:** Auxiliary Storage System for Hunts Tank

**Region and Game Management Unit:** Region 4 / GMU 43B

**Local Habitat Partnership Committee (LHPC):**

- Southwestern Arizona HPC

**Was the project presented to the LHPC?**

**YES**☒ **NO**☐

**Has this project been submitted in previous years?** **YES**☐ **NO**☒

**If Yes, was it funded?** **YES**☐ **NO**☐ → **Funded HPC Project #(s):**

**Project Type:** Water Development

**Brief Project Summary:** Add a 2,500-gallon water tank and collection system to augment the water supply for bighorn sheep at Hunts Tank.

**Big Game Wildlife Species to Benefit:** Bighorn Sheep, hawks, owls, quail, mourning dove, and bats.

**Implementation Schedule** (Month/Day/Year):

Project Start Date:

2/1/2014 (Depending on project schedule).

Project End Date:

5/1/2015 (If not scheduled in 2014).

**Environmental Compliance:**

NEPA Completed: **Yes**☒ **No**☐ **N/A**☐

Projected Completion Date: \_\_\_\_\_

State Historic Preservation Office - Archaeological Clearance:

**Yes**☒ **No**☐ **N/A**☐

Projected Completion Date: \_\_\_\_\_

Arizona Game and Fish Department EA Checklist: **N/A**☐

To be Completed by: John Hervert

Projected Completion Date: November 2013

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:**

**\$ 23,800**

**Cost Share or Matching Funds:**

**\$ 13,537**

**Total Project Costs:**

**\$ 37,337**

**PARTICIPANT INFORMATION**

**Applicant** (please print):

John Hervert

**Address:**

9140 E. 28<sup>th</sup> Street, Yuma Az

**E-mail:**

jhervert@azgfd.gov

**Telephone:** 928-341-4041

**Date:** 8/25/13

**AGFD Contact and Phone No.** (If applicant is not AGFD personnel):

**Project has been coordinated with:** Ed Jahrke

**NEED STATEMENT – PROBLEM ANALYSIS:**

Water hauling by helicopter is necessary to prevent Hunts Tank from going dry. The shaded developed pothole is prone to loss to evaporation and infrequent recharge. On at least two occasions, the water has gone dry.

**PROJECT OBJECTIVES:**

Add enough extra storage capacity to avoid costly water hauling by helicopter. Prevent the loss of bighorn sheep by providing a reliable source of water in addition to the pothole.

**PROJECT DESCRIPTION AND STRATEGIES:**

Add a 2,500-gallon storage tank, collection point, pipeline and trough to the system. The new system will be turned on whenever the pothole is within 30-40 days of going dry, thereby avoiding the need to haul water by helicopter.

**PROJECT LOCATION:**

Trigo Mountains, Mohave Peak, Yuma Proving Ground. T10S, R22W, Section 2, NE ¼.

**LAND OWNERSHIP AT THE PROJECT SITE(S):**

(if the project area is private property, please state specifically and provide the landowner's name)

- Yuma Proving Ground, U.S. Army.

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or  
LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*  
YES[] NO[] N/A[]

**HABITAT DESCRIPTION:**

Lower Colorado River Subdivision.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

One storage tank (\$3,000); Trough (\$2,000); Steel, 4 inch, Gruvlok pipeline (\$800); Water rights application (\$1,000); Block, concrete, plumbing materials, stucco cement, stucco wire, lumber (\$2,000); Helicopter to transport materials and personnel (\$15,000).

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

\$13,537

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

Yuma Proving Ground, ADBSS, YVR&GC.

**WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?**

YES[] NO[x] N/A[]

**PROJECT MONITORING PLAN:**

The new system will be inspected in person at a minimum of once a year. In addition, aerial checks will occur every three weeks during the summer season and as often as required during periods when there is a concern in regards to the systems water level and bighorn use. We will install a floating gauge that will reflect the water level in the storage tank and will be readable from fixed-wing aircraft.

**PROJECT MAINTENANCE:**

If the pothole is within 30-40 days of going dry, Region 4 personnel will hike to the site, turn a valve on to activate the trough. After sufficient rains have recharged the pothole, the valve will be turned off, deactivating the trough. We will avoid building fence around the trough by not providing water to burros year round. The pothole is inaccessible to burros.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

John Hervert

**WATER DEVELOPMENT PROJECTS** *(please use the worksheet below):*

**TREE CLEARING/REMOVAL PROJECTS** *(please use the worksheet below):*

## **ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET**

**PROJECT TITLE:** Auxiliary Storage System for Hunts Tank

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”** Yes, it is our top priority.
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Ed Jahrke, numerous conversations in 2012 and 2013.
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
☒ 2-4   ☐ 4-6   ☐ 6-8   ☐ 8-10   ☐ 10-12   ☐ 12-14   ☐ 14-16   ☐ >16

- 4) **Is there a perennial water source available to big game within four miles of this project?**

YES☒ (please complete #5 below)   NO☐ (skip #5 below)

- 5) **For the accessible, perennial water source nearest this project:**

Name of water source: 532

Type of water source (catchment, spring, dirt tank): Catchment

Ownership of water source: AZGFD

Distance in miles from project: 3.2 miles

- 6) **Is the target wildlife species a result of transplant efforts?** YES☒   NO☐

- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**

YPG requires clearance to access the area. Open to the public with a clearance.

- 8) **Please provide the following information about access to the proposed site:**

Type of access (mark one):   ☐ 2x4 vehicles   ☐ 4x4 only   ☒ foot only\*\*

\*\*If foot access only: Distance in miles: 1.5 miles

Approximate hiking time: 1 hour

-- Does access to this site require crossing private or tribal lands? YES☐   NO☒

-- Please describe any restrictions to public access: YPG clearance required.

- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

We propose to add one polyethylene tanks, 8 feet wide, 14 feet long, by 4 feet high.

- 10) **Was a site visit completed?** Yes☒   No☐

If Yes, please list personnel that attended and date. Ignacio Beltram on 11/1/2012.

## **ARIZONA GAME AND FISH DEPARTMENT TREE CLEARING/REMOVAL WORKSHEET**

**PROJECT TITLE:** \_\_\_\_\_

- 1) What is the estimated acreage of the project?**
- 2) How are the trees going to be cleared? (agra axe, chain saw, grubbing, push, chaining):**
- 3) What is the estimated number of trees per acre?**
- 4) Describe trees to be cleared (species, estimated diameter, single stem, multi-stem):**
- 5) Describe terrain (slope, soil type, rocks)**
- 6) Please list any special land management status for the project site (e.g. Wilderness, National Park, National Monument). If private land, list landowner.**
- 7) Please provide the following information about access to the proposed site:**  
Type of access (mark one): ☐ 2x4 vehicles ☐ 4x4 only ☐ Foot only\*\*

\*\*If foot access only: Distance in miles:    Approx. hiking time:

Does access to this site require crossing private or tribal lands? YES ☐ NO ☐

Is the site relatively accessible for tree removal equipment? YES ☐ NO ☐

Please describe any restrictions to public access:

## **ARIZONA GAME AND FISH DEPARTMENT**

# **VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET**

**PROJECT TITLE:** Auxiliary Storage System for Trigo Tank

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. [http://www.hr.az.gov/HR\\_Professional/Class\\_Comp/PDF/alphacovered.pdf](http://www.hr.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf)

\$0.445/mile should be the calculation used for mileage.

<b>Water Development</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
	800	5,000	\$14.14	13,537
<b>Habitat Restoration and Clean Up</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Fisheries</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Nongame Branch Project</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Misc/office work</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			varies	
<b>Community Services</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$7.44	
<b>Events and Other</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Research Branch</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Wildlife Area Hosts</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$17.44	
<b>Education Programs</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$16.07	
<b>Totals</b>				